ABSTRACT

Provided is a self-sustaining center-anchor microelectromechanical switch driven by an electrostatic force used for controlling a signal transmission in an electronic system, which can suppress deformation of a movement plane generated during manufacturing and operation process by inserting the self-sustaining center-anchor, and improve a ground line contact phenomenon of an upper electrode, thereby enhancing reliability and signal isolation feature while maintaining an existing insertion loss feature compared to the microelectromechanical switch of the prior art.